

[IMPROVED VERTICAL LIFT ASSEMBLY]

Abstract

A vertical lift assembly for raising a plurality of diverting belts between rollers of a roller conveyor, to engage and raise an object from the surface of the conveyor, and to divert it to the side of the conveyor. The vertical lift assembly uses a plurality of hinges to join together a stationary frame, as a base, and a raisable plate on which sets the diverting belt assembly. The hinge is formed from a section of roller chain. A pair of hinges is disposed along each side of the stationary frame and raisable plate. The hinges provide tilt-free lift of the diverting belt assembly.